

REMARKS

This supplemental amendment is provided in addition to the response filed December 23, 2003. The Supplemental Amendment concludes changes to claim 1 in order to clarify the meaning of the claim.

Claim 1, as amended, includes the “pair of flat plate covers” covering upper and lower surfaces of the magnetic member and the coils, approximately entirely. Because of this substantial coverage by the flat plate covers, heat generated from the magnetic member and the coils is made to be radiated effectively. Specifically, the language of claim 1, as amended states the following:

a pair of flat plate covers for covering upper and lower surfaces of said magnetic member and said coils approximately entirely, exclusive of sides of said magnetic member and said coils which face said field magnets;

Thus, as can be seen from the amendments to claim 1, the pair of flat plate covers substantially and entirely cover the magnetic member and the coils exclusive of the sides of the magnetic member and coils which face the field magnets. On the other hand, as described in the response of December 23, the desk cover 40 of Barrett is just a dust cover and does not provide for the radiation affect that the claimed flat plate covers have.

It is very important to radiate heat affectively in order for the linear motor recited in claim 1 to continually provide the high-thrust capabilities required. Specifically, covering the upper and lower surfaces of the magnetic member the coils approximately entirely enables heat to be

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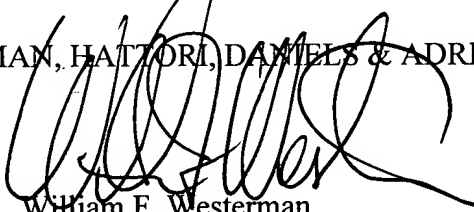
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effectively radiated from the linear motor. As noted, this heat dissipation affect enables the linear motor to operate most efficiently. It is entirely clear that the dust cover 40 of Barrett does not have this capability nor does it provide for the heat dissipation. Accordingly, it is submitted that amended claim 1 is not obvious over the cited references, including Barrett.

In the event that this paper is not timely filed, Applicant respectfully petitions for an appropriate extension of time. Please charge any fees for such an extension of time and any other fees which may be due with respect to this paper, to Deposit Account No. 50-2866.

Respectfully submitted,

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